

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A network connectable equipment comprising:
a processing unit;
a single power supply module;
a communication module for connecting with a network;
a power supply line for connecting said power supply module to said processing unit; and
a power control line for connecting said communication module and said power supply module,

wherein said single power supply module stops supplying electric power to the network connectable equipment other than said communication module if the network connectable equipment is in a power-off state,
wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to the network connectable equipment or not, and issues a power-on request to the single power supply module if the frame data is determined to be addressed to the network connectable equipment and the network connectable equipment is in the power-off state,

wherein the single said power supply module receives a said power-on request via said power control line, and supplies power to said processing unit via said power supply line based on said power-on request to cause the

network connectable equipment to be in a power-on state, and not supplies power to said processing unit via said power supply line after said processing unit computer processing related to the frame data to cause the network connectable equipment to be in the power-off state,

~~wherein said communication module determines whether a received frame is destined to said network connectable equipment and transmits said power-on request to said power supply module if said received frame is destined to said network connectable equipment, and~~

~~wherein said power supply module is connected to an interrupt signal line for sending an interrupt signal to said processing unit, and sends said processing unit a request to start processing for turning off power via said interrupt signal line when a time period measured by a timer expires.~~

Claim 2 (canceled).

3. (original) A network connectable equipment of claim 1, wherein said power supply module comprises:

a switch for turning on and off power supplied to said processing unit;

and

a switch controller for controlling the switch,

wherein said switch controller supplies power to said power supply line based on said power-on request by controlling said switch.

Claims 4 and 5 (canceled).

6. (previously presented) A network connectable equipment of claim 1, wherein said power supply module supplies power to said communication module even if portions other than said communication module are in a power-off state .

7. (currently amended) A network connectable equipment comprising:

a power control line;

a communication module connected to said power control line;

a power supply line;

a processing unit connected to said power supply line; and

a single power supply module connected to said power supply line and said power control line,

wherein said single power supply module stops supplying electric power to the network connectable equipment other than said communication module if the network connectable equipment is in a power-off state.

wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to the network connectable equipment or not, and issues a power-on request to the single power supply module if the frame data is determined to be addressed to the network connectable equipment and the network connectable equipment is in the power-off state.

wherein said single power supply module receives a-said power-on request via said power control line, and supplies power to said processing unit via said power supply line based on said power-on request to cause the

network connectable equipment to be in a power-on state, and not supplies power to said processing unit via said power supply line after said processing unit computer processing related to the frame data to cause the network connectable equipment to be in the power-off state;

~~— wherein said communication module determines whether a received frame is destined to said network connectable equipment and transmits said power-on request to said power supply module if said received frame is destined to said network connectable equipment, and~~

~~— wherein said power supply module is connected to an interrupt signal line for sending an interrupt signal to said processing unit, and sends said processing unit a request to start processing for turning off power via said interrupt signal line when a time period measured by a timer expires.~~

8. (currently amended) A network connectable equipment of claim 7, wherein said single power supply module supplies power to said communication module even if portions other than said communication module are in a power-off state .

9. (previously presented) A network connectable equipment of claim 8, wherein when said communication module receives a frame transmitted from another network connectable equipment connected to a network, determines whether the received frame is destined to said network connectable equipment, and if the received frame is destined to said network connectable equipment, transmits said power-on request to said power supply module via said power control line.

10. (currently amended) A equipment for controlling power to a first equipment connected to a network, comprising:

a communication module connected to said network;

a single power supply module for supplying power to said communication module;

a power supply control line connected to said communication module and said single power supply module;

a power supply line connected to said first equipment and said single power supply module,

wherein said single power supply module stops supplying electric power to said first equipment other than said communication module if said first equipment is in a power-off state,

wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to said first equipment or not, and issues a power-on request to the single power supply module if the frame data is determined to be addressed to said first equipment and the network connectable equipment is in the power-off state,

wherein said communication module receives a frame transmitted from a second equipment connected to said network, discriminates if the received frame is destined to said first equipment, and transmits a power-on request to said power supply module via said power control line upon determination that said received frame is destined to said first equipment,

wherein said single power supply module enables power to be supplied to said first equipment in response to said power-on request via said power supply line and is connected to an interrupt signal line for sending an interrupt signal to said first equipment, and to cause said first equipment to be in a power-on state, and not supplies power to said processing unit via said power supply line after said processing unit computer processing related to the frame data, to cause said first equipment to be in the power-off state

wherein said power supply module sends said first equipment a request to start processing for turning off power via said interrupt signal line when a time period measured by a timer expires.

11. (currently amended) A power supply module, included in a network connectable equipment having a processing unit and a communication module, comprising:

wherein said single power supply module is connectable to a power control line which is connected to said communication module and is connectable to a power supply line which is connected to said processing unit,

wherein said single power supply module stops supplying electric power to the network connectable equipment other than said communication module if the network connectable equipment is in a power-off state.

wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to the network connectable equipment or not, and issues a power-on request to the single power supply module if the frame data is

determined to be addressed to the network connectable equipment and the network connectable equipment is in the power-off state,

wherein when said power supply module receives said power-on request from said communication module via said power control line, said power supply module supplies power to said processing unit via said power supply line based on said power-on request to cause the network connectable equipment to be in a power-on state, and not supplies power to said processing unit via said power supply line after said processing unit computer processing related to the frame data to cause the network connectable equipment to be in the power-off state,

— wherein said communication module determines whether a received frame is destined to said network connectable equipment and transmits said power-on request to said power supply module if said received frame is destined to said network connectable equipment, and

wherein said power supply module is connected to an interrupt signal line for sending an interrupt signal to said processing unit and sends said processing unit a request to start processing for turning off power via said interrupt signal line when a time period measured by a timer expires.

Claim 12 (canceled).

13. (currently amended) An information processing apparatus comprising:

a storage unit;
a display unit;

a network controller for connecting said information processing apparatus to a network;

a processing unit for executing processing in accordance with contents of processing stored in said storage unit;

a power supply controller for supplying said network controller with electric power even if said information processing apparatus remains in a power-off state;

wherein said power supply controller stops supplying electric power to the information processing apparatus other than said communication module if the network connectable equipment is in a power-off state.

wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to the information processing apparatus or not, and issues a power-on request to said power supply controller if the frame data is determined to be addressed to the network connectable equipment and the network connectable equipment is in the power-off state.

wherein said power supply controller receives said power-on request, supplies power to said processing unit based on said power-on request to cause the network connectable equipment to be in a power-on state, and not supplies power to said processing unit via said power supply line after said processing unit computer processing related to the frame data, to cause the network connectable equipment to be in the power-off state

a power-supply switch controller for instructing a power-on state of said information processing apparatus when said network controller receives a frame from said network and determines that said frame is destined for said

information processing apparatus while said information processing apparatus remains in the power-off state, thus turning said information processing apparatus from the power-off state to the power-on state; and

— a timer being connected to said power-supply switch controller,

— wherein said power-supply switch controller is connected to an interrupt signal line for sending an interrupt signal to said processing unit and sends said processing unit a request to start processing for turning off power via said interrupt signal line when a time period measured by said timer expires.

14. (original) An information processing apparatus according to claim 13, wherein said network controller identifies whether the received frame is to turn said information processing apparatus to the power-on state.

Claim 15 (canceled).

16. (currently amended) A network connectable equipment comprising:

a communication module for connecting with a network;

a power supply line for connecting ~~said~~a single power supply module to a processing unit; and

a power control line for connecting ~~a~~said single power supply module to said communication module,

wherein said single power supply module stops supplying electric power to the network connectable equipment other than said communication module if the network connectable equipment is in a power-off state.

wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to the network connectable equipment or not, and issues a power-on request to the single power supply module if the frame data is determined to be addressed to the network connectable equipment and the network connectable equipment is in the power-off state.

wherein said communication module determines whether a received frame is destined to said network connectable equipment and transmits said power-on request to said power supply module if said received frame is destined to said network connectable equipment, and

wherein said single power supply module receives said power-on request via said power control line, supplies power to said communication moduleprocessing unit via said power supply line based on said power-on requestand is connected to an interrupt signal line for sending an interrupt signal to said processing unit, further said power supply module sends said processing unit a request to start processing for turning off power via said interrupt signal line when a time period measured by a timer expires to cause the network connectable equipment to be in a power-on state, and not supplies power to said processing unit via said power supply line after said processing unit computer processing related to the frame data, to cause the network connectable equipment to be in the power-off state.

17. (currently amended) A network connectable equipment of claim 16, further comprising:
a-said processing unit connected to said power supply line.

18. (currently amended)A network connectable equipment of claim 16, wherein said single power supply module supplies power to said communication module even if portions other than said communication module are in a power-off state .

19. (currently amended)A network connectable equipment of claim 17, further comprising:

a power control line for connecting said communication module and said single power supply module, and
wherein said single power supply module supplies power to said processing unit via said power supply unit based on a power-on request sent from said communication module even if portions other than said communication module are in a power-off state .

20. (currently amended)A network connectable equipment comprising:

a power unit;
a single power supply controller;
a first line for connecting said power unit and said power supply controller;
a communication module for connecting with a network;
a second line for connecting said single power supply controller to a processing unit in said network connectable equipment; and

a third line for connecting said communication module and said single power supply controller,

wherein said single power supply controller stops supplying electric power to the network connectable equipment other than said communication module if the network connectable equipment is in a power-off state.

wherein if said communication module receives frame data via said network, then said communication module determines whether the frame data is addressed to the network connectable equipment or not, and issues a power-on request to the single power supply module if the frame data is determined to be addressed to the network connectable equipment and the network connectable equipment is in the power-off state.

wherein said single power supply module receives said power-on request via said power control line, supplies power to said processing unit via said power supply line based on said power-on request

wherein said communication module determines whether a received frame is destined to said network connectable equipment and transmits said power-on request to said power supply module if said received frame is destined to said network connectable equipment, and

wherein said power supply controller is connected to an interrupt signal line for sending an interrupt signal to said processing unit, and sends said processing unit a request to start processing for turning off power via said interrupt signal line when a time period measured by a timer expires.

21. (previously presented) A network connectable equipment of claim 20, wherein said power supply controller supplies power to said

communication module even if portions other than said communication module are in a power-off state.

22. (currently amended) A network connectable equipment of claim 20, further comprising:

a-said processing unit,

wherein if said power supply controller receives a power-on request via said third line, said power supply controller supplies power to said processing unit via said second line based on said power-on request.

23. (original) A network connectable equipment of claim 22, wherein said power supply controller supplies power to portions other than said processing unit via said second line after it supplies power to said processing unit.

Claim 24 (canceled).

25. (new) A network connectable equipment according to claim 1, wherein said power supply module informs said communication module of the power-off state of the network connectable equipment in the case of stopping supplying electric power to the unit and module of the network connectable equipment other than said communication module.

26. (new) A network connectable equipment according to claim 1, wherein when a processing for the power-off of the network connectable

equipment completes, said processing unit informs said power supply module of the completion of said processing, and

wherein said power supply module stop supplying electric power to the unit and module of the network connectable equipment other than the communication module in response to the information of the completion of said processing from the processing unit.

27. (new) A network connectable equipment according to claim 26, wherein said power supply has a command register for receiving the information of the completion of said processing.

28. (new) A network connectable equipment according to claim 1, wherein said communication module receives frame data via said network, determines whether the frame data is addressed to the network connectable equipment or not, and transmits said power-on request to said power supply module prior to transmitting the power-on request to said processing unit if the frame data is determined as being addressed to the network connectable equipment and the network connectable equipment is in the power-off state.

29. (new) A network connectable equipment according to claim 1, further comprising:

a bus being separated from said power supply line and said power control line, and electrically connecting to said processing unit, said power supply module and said communication module.

30. (new) A network connectable equipment according to claim 1, wherein said power supply module has a status register for indicating the necessary of the reproduction of the work state.

31. (new) A network connectable equipment according to claim 1, wherein said power supply module has a command register for receiving a command from said processing unit.